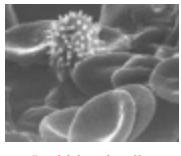
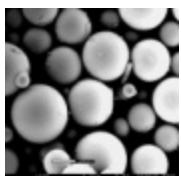
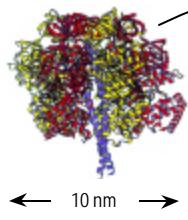


THE SCALE OF THINGS

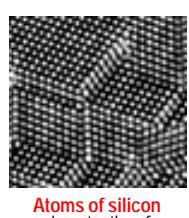
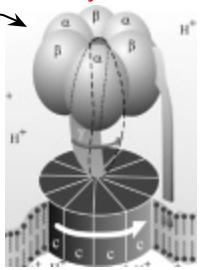
Things Natural



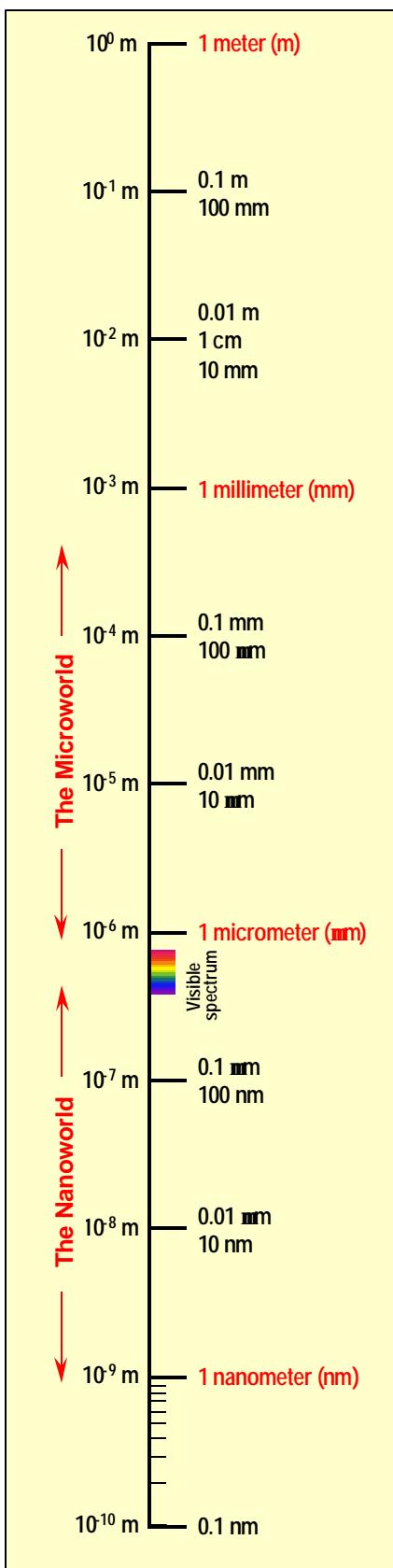
Schematic, central core



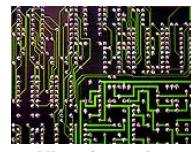
Cell membrane



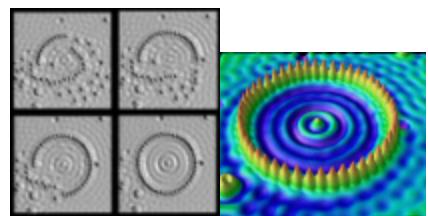
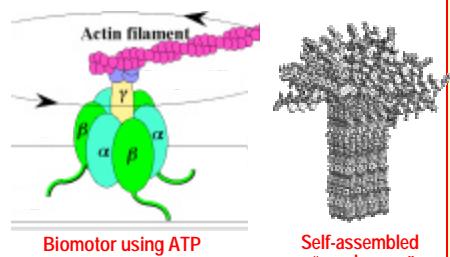
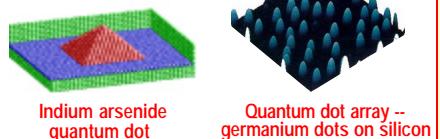
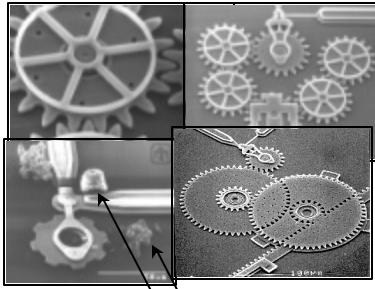
Progress in atomic-level understanding



Things Manmade



MEMS (MicroElectroMechanical Systems) Devices
10 -100 μm wide



The 21st century challenge -- Fashion materials at the nanoscale with desired properties and functionality

meter	m	10^0	1 m
centimeter	cm	10^{-2}	0.01 m
millimeter	mm	10^{-3}	0.001 m
micrometer	μm	10^{-6}	0.000001 m
nanometer	nm	10^{-9}	0.000000001 m

